

MS9963**FED. SUP CLASS**
5306User activities:
Army
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MS99963																	FED. SUP CLASS 5306	
PART NUMBER	L		Q MIN		K MAX		APPROX MASS		PART NUMBER	L		Q MIN		K MAX		APPROX MASS		
	IN.	(mm)	IN.	(mm)	IN.	(mm)	LB/100	kg/100		IN.	(mm)	IN.	(mm)	IN.	(mm)	LB/100	kg/100	
MS9963-04	.875	22.22	.030	0.77	.134	3.40	10.61	4.813	MS9963-31	3.125	79.38	1.579	40.11	1.750	44.45	25.47	11.553	
MS9963-05	.938	23.82	.030	0.77	.134	3.40	11.01	4.994	MS9963-32	3.250	82.55	1.704	43.29	1.875	47.62	26.24	11.902	
MS9963-06	1.000	25.40	.030	0.77	.134	3.40	12.41	5.629	MS9963-33	3.375	85.72	1.829	46.46	2.000	50.80	27.00	12.247	
MS9963-07	1.062	26.97	.030	0.77	.134	3.40	13.21	5.982	MS9963-34	3.500	88.90	1.954	49.54	2.125	53.97	27.77	12.596	
MS9963-08	1.125	28.58	.030	0.77	.134	3.40	13.60	6.169	MS9963-35	3.625	92.08	2.079	52.81	2.250	57.15	28.54	12.946	
MS9963-09	1.188	30.18	.030	0.77	.134	3.40	13.98	6.341	MS9963-36	3.750	95.25	2.204	55.99	2.375	60.32	29.30	13.290	
MS9963-10	1.250	31.75	.030	0.77	.134	3.40	14.36	6.514	MS9963-37	3.875	98.42	2.329	59.16	2.500	63.50	30.07	13.634	
MS9963-11	1.312	33.32	.030	0.77	.134	3.40	14.75	6.680	MS9963-38	4.000	101.60	2.454	62.34	2.625	66.67	30.84	13.979	
MS9963-12	1.375	34.92	.030	0.77	.134	3.40	15.13	6.846	MS9963-39	4.125	104.78	2.579	65.51	2.750	69.85	31.60	14.324	
MS9963-13	1.438	36.52	.030	0.77	.134	3.40	15.51	7.015	MS9963-40	4.250	107.95	2.704	68.69	2.875	73.02	32.37	14.668	
MS9963-14	1.500	38.10	.030	0.77	.134	3.40	15.89	7.188	MS9963-41	4.375	111.12	2.829	71.86	3.000	76.20	33.13	15.028	
MS9963-15	1.562	39.67	.030	0.77	.134	3.40	16.28	7.360	MS9963-42	4.500	114.30	2.954	75.04	3.125	79.37	33.90	15.377	
MS9963-16	1.625	41.28	.030	0.77	.134	3.40	16.66	7.535	MS9963-43	4.625	117.48	3.079	78.21	3.250	82.55	34.67	15.726	
MS9963-17	1.688	42.88	.030	0.77	.134	3.40	17.04	7.706	MS9963-44	4.750	120.65	3.203	81.38	3.375	85.72	35.43	16.071	
MS9963-18	1.750	44.45	.030	0.77	.134	3.40	17.43	7.878	MS9963-45	4.875	123.82	3.329	84.56	3.500	88.90	36.20	16.420	
MS9963-19	1.812	46.06	.030	0.77	.134	3.40	17.81	8.050	MS9963-46	5.000	127.00	3.454	87.74	3.625	92.07	36.96	16.765	
MS9963-20	1.875	47.62	.030	0.77	.134	3.40	18.19	8.225	MS9963-47	5.125	130.18	3.579	90.91	3.750	95.25	37.73	17.114	
MS9963-21	1.938	49.22	.030	0.77	.134	3.40	18.58	8.397	MS9963-48	5.250	133.35	3.704	94.09	3.875	98.42	38.50	17.463	
MS9963-22	2.000	50.80	.030	0.77	.134	3.40	19.05	8.570	MS9963-49	5.375	136.52	3.829	97.26	4.000	101.60	39.26	17.808	
MS9963-23	2.062	52.38	.030	0.77	.134	3.40	19.43	8.742	MS9963-50	5.500	139.70	3.954	100.44	4.125	104.77	40.03	18.157	
MS9963-24	2.125	53.97	.030	0.77	.134	3.40	19.81	8.915	MS9963-51	5.625	142.88	4.079	103.61	4.250	107.95	40.80	18.507	
MS9963-25	2.188	55.58	.030	0.77	.134	3.40	20.19	9.088	MS9963-52	5.750	146.05	4.204	106.79	4.375	111.12	41.56	18.851	
MS9963-26	2.250	57.15	.030	0.77	.134	3.40	20.58	9.260	MS9963-53	5.875	149.22	4.329	109.96	4.500	114.30	42.33	19.200	
MS9963-27	2.312	58.72	.030	0.77	.134	3.40	20.96	9.433	MS9963-54	6.000	152.40	4.454	113.14	4.625	117.47	43.09	19.545	
MS9963-28	2.375	60.32	.030	0.77	.134	3.40	21.34	9.605										
MS9963-29	2.438	61.92	.030	0.77	.134	3.40	21.72	9.777										
MS9963-30	2.500	63.50	.030	0.77	.134	3.40	22.10	9.950										
MS9963-31	2.562	65.09	.030	0.77	.134	3.40	22.48	10.122										
MS9963-32	2.625	66.67	.030	0.77	.134	3.40	22.86	10.294										
MS9963-33	2.688	68.27	.030	0.77	.134	3.40	23.24	10.466										
MS9963-34	2.750	69.85	.030	0.77	.134	3.40	23.62	10.638										
MS9963-35	2.812	71.45	.030	0.77	.134	3.40	24.00	10.810										
MS9963-36	2.875	73.02	.030	0.77	.134	3.40	24.38	10.982										
MS9963-37	2.938	74.62	.030	0.77	.134	3.40	24.76	11.154										
MS9963-38	3.000	76.20	.030	0.77	.134	3.40	25.14	11.326										
MS9963-39	3.062	77.77	.030	0.77	.134	3.40	25.52	11.498										
MS9963-40	3.125	79.38	.030	0.77	.134	3.40	25.90	11.670										
MS9963-41	3.188	80.97	.030	0.77	.134	3.40	26.28	11.842										
MS9963-42	3.250	82.55	.030	0.77	.134	3.40	26.66	12.014										
MS9963-43	3.312	84.13	.030	0.77	.134	3.40	27.04	12.186										
MS9963-44	3.375	85.72	.030	0.77	.134	3.40	27.42	12.358										
MS9963-45	3.438	87.32	.030	0.77	.134	3.40	27.80	12.530										
MS9963-46	3.500	88.90	.030	0.77	.134	3.40	28.18	12.702										
MS9963-47	3.562	90.49	.030	0.77	.134	3.40	28.56	12.874										
MS9963-48	3.625	92.08	.030	0.77	.134	3.40	28.94	13.046										
MS9963-49	3.688	93.67	.030	0.77	.134	3.40	29.32	13.218										
MS9963-50	3.750	95.25	.030	0.77	.134	3.40	29.70	13.390										
MS9963-51	3.812	96.85	.030	0.77	.134	3.40	30.08	13.562										
MS9963-52	3.875	98.42	.030	0.77	.134	3.40	30.46	13.734										
MS9963-53	3.938	100.00	.030	0.77	.134	3.40	30.84	13.906										
MS9963-54	4.000	101.60	.030	0.77	.134	3.40	31.22	14.078										
MS9963-55	4.062	103.18	.030	0.77	.134	3.40	31.60	14.250										
MS9963-56	4.125	104.77	.030	0.77	.134	3.40	31.98	14.422										
MS9963-57	4.188	106.35	.030	0.77	.134	3.40	32.36	14.594										
MS9963-58	4.250	107.95	.030	0.77	.134	3.40	32.74	14.766										
MS9963-59	4.312	109.52	.030	0.77	.134	3.40	33.12	14.938										
MS9963-60	4.375	111.12	.030	0.77	.134	3.40	33.50	15.110										
MS9963-61	4.438	112.70	.030	0.77	.134	3.40	33.88	15.282										
MS9963-62	4.500	114.30	.030	0.77	.134	3.40	34.26	15.454										
MS9963-63	4.562	115.88	.030	0.77	.134	3.40	34.64	15.626										
MS9963-64	4.625	117.47	.030	0.77	.134	3.40	35.02	15.798										
MS9963-65	4.688	119.05	.030	0.77	.134	3.40	35.40	15.970										
MS9963-66	4.750	120.65	.030	0.77	.134	3.40	35.78	16.142										
MS9963-67	4.812	122.22	.030	0.77	.134	3.40	36.16	16.314										
MS9963-68	4.875	123.82	.030	0.77	.134	3.40	36.54	16.486										
MS9963-69	4.938	125.40	.030	0.77	.134	3.40	36.92	16.658										
MS9963-70	5.000	127.00	.030	0.77	.134	3.40	37.30	16.830										

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Navy - AS

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MILITARY STANDARD
MS9963

PROCURMENT SPECIFICATION

SUPERSEDES:

SHEET 2 OF 2

APPROVED 27 Jun 74 REVISED